

Marschel

RAW SEQUENCE LISTING
ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH

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17 2001

#6/Ja
1/23/01

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/486,623

Source: 1631

Date Processed by STIC: 01-04-01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin30help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/486,623

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☐ Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 ☐ Wrapped Aminos The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 ☐ Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 ☐ Misaligned Amino Acid Numbering The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 ☐ Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 ☐ Variable Length Sequence(s) _____ contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.
- 7 ☐ PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 8 ☐ Skipped Sequences (OLD RULES) Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 ☐ Skipped Sequences (NEW RULES) Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 10 ☐ Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 ☐ Use of <213>Organism (NEW RULES) Sequence(s) _____ are missing this mandatory field or its response.
- 12 ☒ Use of <220>Feature (NEW RULES) Sequence(s) _____ are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 ☐ PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

A. Marschke

TECH CENTER 1600/2900

17 2001

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1631

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/486,623
DATE: 01/04/2001
TIME: 08:38:43

Input Set : A:\Isis3292.app
Output Set: N:\CRF3\01042001\I486623.raw

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Nielsen, Peter E
5 <120> TITLE OF INVENTION: Peptide Nucleic Acids Having Antibacterial Activity
7 <130> FILE REFERENCE: ISIS3292
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/486,623
C--> 10 <141> CURRENT FILING DATE: 2000-07-06
12 <150> PRIOR APPLICATION NUMBER: 08/932,140
13 <151> PRIOR FILING DATE: 1997-09-16
15 <160> NUMBER OF SEQ ID NOS: 27
17 <170> SOFTWARE: Patentin Ver. 2.1
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 14
21 <212> TYPE: DNA
22 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide
27 <400> SEQUENCE: 1
28 tgaccatgat tacg 14
31 <210> SEQ ID NO: 2
32 <211> LENGTH: 17
33 <212> TYPE: DNA
34 <213> ORGANISM: Artificial Sequence
36 <220> FEATURE:
37 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide
39 <400> SEQUENCE: 2
40 tacgtgtttc ctgtgtg 17
43 <210> SEQ ID NO: 3
44 <211> LENGTH: 17
45 <212> TYPE: DNA
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide
51 <400> SEQUENCE: 3
52 gaqtattcaa catttcc 17
55 <210> SEQ ID NO: 4
56 <211> LENGTH: 17
57 <212> TYPE: DNA
58 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide
63 <400> SEQUENCE: 4
64 atgtctttcc ttttcca 17
67 <210> SEQ ID NO: 5
68 <211> LENGTH: 15
69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <241> NAME/KEY: misc_feature

Nucleic acid
sequences shown.
Peptide is
not a valid
response.

What is the
source of the genetic
material in the
artificial sequences?
See #12 on the
Error Summary sheet.

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/486,623
 DATE: 01/01/2001
 TIME: 03:38:43

Input Set : A:\Isis3292.app
 Output Set: N:\CRF3\01042001\I486623.raw

74 <22> LOCATION: (1)..(14)
 75 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine
 76 backbone
 78 <220> FEATURE:
 79 <221> NAME/KEY: misc_feature
 80 <222> LOCATION: (15)
 81 <223> OTHER INFORMATION: Modified site. N- [acetyl (2-aminoethyl)] -C-
 82 lysine-glycine backbone
 84 <220> FEATURE:
 85 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide
 87 <400> SEQUENCE: 5
 88 ggtcatact gtttc 15
 91 <210> SEQ ID NO: 6
 92 <211> LENGTH: 15
 93 <212> TYPE: DNA
 94 <213> ORGANISM: Artificial Sequence
 96 <220> FEATURE:
 97 <221> NAME/KEY: misc_feature
 98 <222> LOCATION: (1)..(14)
 99 <223> OTHER INFORMATION: Modified Site. N-acetyl (2-aminoethyl) glycine
 100 backbone
 102 <220> FEATURE:
 103 <221> NAME/KEY: misc_feature
 104 <222> LOCATION: (15)
 105 <223> OTHER INFORMATION: Modified Site. N- [acetyl (2-aminoethyl)] -C-
 106 lysine-glycine backbone
 108 <220> FEATURE:
 109 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide
 111 <400> SEQUENCE: 6
 112 tactcatact cticc 15
 115 <210> SEQ ID NO: 7
 116 <211> LENGTH: 15
 117 <212> TYPE: DNA
 118 <213> ORGANISM: Artificial Sequence
 120 <220> FEATURE:
 121 <221> NAME/KEY: misc_feature
 122 <222> LOCATION: (1)..(14)
 123 <223> OTHER INFORMATION: Modified Site. N-acetyl (2-aminoethyl) glycine
 124 backbone
 126 <220> FEATURE:
 127 <221> NAME/KEY: misc_feature
 128 <222> LOCATION: (15)
 129 <223> OTHER INFORMATION: Modified Site. N- [acetyl (2-aminoethyl)] -C-
 130 lysine-glycine backbone
 132 <220> FEATURE:
 133 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide
 135 <400> SEQUENCE: 7
 136 gaataactcat actct 15
 139 <210> SEQ ID NO: 8

refer
to p. 1

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/486,623

DATE: 01/04/2001
TIME: 08:38:43

Input Set : A:\Isis3292.app
Output Set : N:\CRF3\01042001\I486623.raw

140 <211> LENGTH: 15
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <221> NAME/KEY: misc_feature
146 <222> LOCATION: (1)..(14)
147 <223> OTHER INFORMATION: Modified Site. N-acetyl (2-aminoethyl) glycine
148 backbone
150 <220> FEATURE:
151 <221> NAME/KEY: misc_feature
152 <222> LOCATION: (15)
153 <223> OTHER INFORMATION: Modified Site. N-[acetyl (2-aminoethyl)] -C-
154 lysine-glycine backbone
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide
159 <400> SEQUENCE: 8
160 acgccacatc ttccg 15
163 <210> SEQ ID NO: 9
164 <211> LENGTH: 15
165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <221> NAME/KEY: misc_feature
170 <222> LOCATION: (1)
171 <223> OTHER INFORMATION: Modified Site. N-acetyl (2-aminoethyl) glycine
172 backbone
174 <220> FEATURE:
175 <221> NAME/KEY: misc_feature
176 <222> LOCATION: (2)..(4)
177 <223> OTHER INFORMATION: Modified Site. N-pseudo isocytosine-acetyl
178 (2-aminoethyl) glycine backbone
180 <220> FEATURE:
181 <221> NAME/KEY: misc_feature
182 <222> LOCATION: (5)..(6)
183 <223> OTHER INFORMATION: Modified Site. N-acetyl (2-aminoethyl) glycine
184 backbone
186 <220> FEATURE:
187 <221> NAME/KEY: misc_feature
188 <222> LOCATION: (7)
189 <223> OTHER INFORMATION: Modified Site. N-pseudo isocytosine-acetyl
190 (2-aminoethyl) glycine backbone
192 <220> FEATURE:
193 <221> NAME/KEY: misc_feature
194 <222> LOCATION: (8)
195 <223> OTHER INFORMATION: Modified Site.
196 (O-2-aminoethyl-O'-acetyl-ethyleneglycol), (O-2-
197 aminoethyl-O'-acetyl-ethyleneglycol),
198 (O-2-aminoethyl-O'-acetyl-ethyleneglycol)
200 <220> FEATURE:

refer
to p.1

RAW SEQUENCE LISTING DATE: 01/04/2001
 PATENT APPLICATION: US/09/486,623 TIME: 08:38:43

Input Set : A:\Isis3292.app
 Output Set: N:\CRF3\01042001\I486623.raw

201 <221> NAME/KEY: misc_feature
 202 <222> LOCATION: (9)..(14)
 203 <223> OTHER INFORMATION: Modified Site. N-acetyl (2-aminoethyl) glycine
 204 backbone
 206 <220> FEATURE:
 207 <221> NAME/KEY: misc_feature
 208 <222> LOCATION: (15)
 209 <223> OTHER INFORMATION: Modified Site. N- [acetyl (2-aminoethyl)] -C-
 210 lysine-glycine backbone
 212 <220> FEATURE:
 213 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide
 215 <400> SEQUENCE: 9
 W--> 216 tnnnntnnct tccct 15
 219 <210> SEQ ID NO: 10
 220 <211> LENGTH: 15
 221 <212> TYPE: DNA
 222 <213> ORGANISM: Artificial Sequence
 224 <220> FEATURE:
 225 <221> NAME/KEY: misc_feature
 226 <222> LOCATION: (1)
 227 <223> OTHER INFORMATION: Modified Site. N-pseudo isocytosine-acetyl
 228 (2-aminoethyl) glycine backbone
 230 <220> FEATURE:
 231 <221> NAME/KEY: misc_feature
 232 <222> LOCATION: (3)..(4)
 233 <223> OTHER INFORMATION: Modified Site. N-acetyl (2-aminoethyl) glycine
 234 backbone
 236 <220> FEATURE:
 237 <221> NAME/KEY: misc_feature
 238 <222> LOCATION: (5)..(6)
 239 <223> OTHER INFORMATION: Modified Site. N-pseudo isocytosine-acetyl
 240 (2-aminoethyl) glycine backbone
 242 <220> FEATURE:
 243 <221> NAME/KEY: misc_feature
 244 <222> LOCATION: (7)
 245 <223> OTHER INFORMATION: Modified Site. N-acetyl (2-aminoethyl) glycine
 246 backbone
 248 <220> FEATURE:
 249 <221> NAME/KEY: misc_feature
 250 <222> LOCATION: (9)..(14)
 251 <223> OTHER INFORMATION: Modified Site. N-acetyl (2-aminoethyl) glycine
 252 backbone
 254 <220> FEATURE:
 255 <221> NAME/KEY: misc_feature
 256 <222> LOCATION: (8)
 257 <223> OTHER INFORMATION: Modified Site.
 258 (O-2-aminoethyl-O'-acetyl-ethyleneglycol),
 259 (O-2-aminoethyl-O'-acetyl-ethyleneglycol),
 260 (O-2-aminoethyl-O'-acetyl-ethyleneglycol)

refer to p.1

VERIFICATION SUMMARY DATE: 01/04/2001
PATENT APPLICATION: US/09/486,623 TIME: 08:38:44

Input Set : A:\Isis3292.app
Output Set: N:\CRF3\01042001\I486623.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:640 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20

US 094866230GP1



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Indexing Officer: TDANG5 - TIEN DANG
Team: OIPEBackFileIndexing
Dossier: 09486623

Legal Date: 23-04-2002

No.	Doccode	Number of pages
1	A...	5
2	REM	6

Total number of pages: 11

Remarks:

Order of re-scan issued on